

Equipment		Positive Displacement meter	
Model		ZC17-150	
Performance characteristics			
Measured liquids		Liquid hydrocarbons, industrial oils, fatty acid esters, ethanol	
Static pressure	max	15 bar	
Inlet pressure	max	10 bar	
Liquid temperature	min / max	- 10°C / +90°C 14°F / +194°F	
Working flow rate	min / max	15 m3/h - 250 L/min - 66 USGPM / 150 m3/h - 2500 L/min - 660 USGPM	
Liquid viscosity	max	20 mm²/s (MID) - 800 mm²/s - at operating conditions	
Accuracy		+/- 0.15% of measured value	
Repeatability		+/- 0.02% of measured value	
Pressure drop		See attached pressure drop chart	
Calibration report		On 3 points (15 m3/h, 75 m3/h, 150 m3/h)	
Manifold			
Connection nominal size		DN 100 / 4"	
Material		Steel (EN 1.0625), Ductile iron (EN 5.3201), Aluminum (EN AC-42200) (option)	
End connection style		Flanges ASA 150 RF, ISO PN16, TW (only with aluminum manifold)	
Flow direction/Mounting		PH2, PH1, PV1, PV2, PV3, PV4, PV5, PV6 - See attached document	
Coating		Acrylic-Epoxy coating RAL5010, Marine Epoxy coating RAL5010 (option)	
Flowmeter body			
Body material		Ductile iron (EN 5.3201), Ni resist iron (EN-JL3011) (option)	
Cap/end cover material		Carbon steel (EN 1.0625) with protective coating	
Seal/O-ring material		Viton, Nitrile (option for alcohols measurement)	
External coating		Acrylic-Epoxy coating RAL5010, Marine Epoxy coating RAL5010(option)	
Measuring chamber			
Displacement element type		Sliding vanes flowmeter	
Cyclic volume		4,54 L - 1,12 USG	
Blades / Blades connection rods		Graphite / Stainless steel	
Rotor		Aluminum (EN AC-42100)	
Bearings		Stainless steel (EN 1.4301)	
Swing joint		Viton, Nitrile (option for alcohol), PTFE (option for low ambient temperature)	
Drive train and adjuster			
Drive type		Mechanical transmission	
Environmental			
Ambient working temperature	min / max	-25°C, -40°C (option) / +55°C	-13°F, -40°F (option) / +131°F
Storage temperature	min / max	-40°C / +80°C	-40°F / +176°F
Certification			
ATEX		Zone 1, II 2 G	
Standards compliance		API, ASME, GOST, NATO. See note 1	

Note 1: Contact us for further information about standards compliance.

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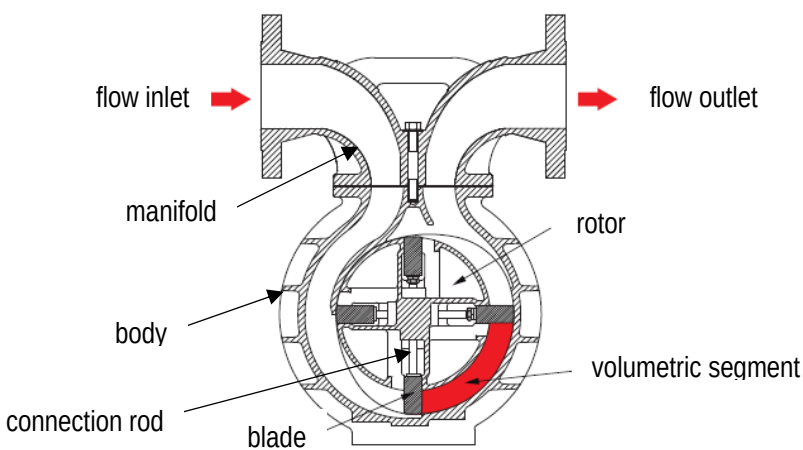
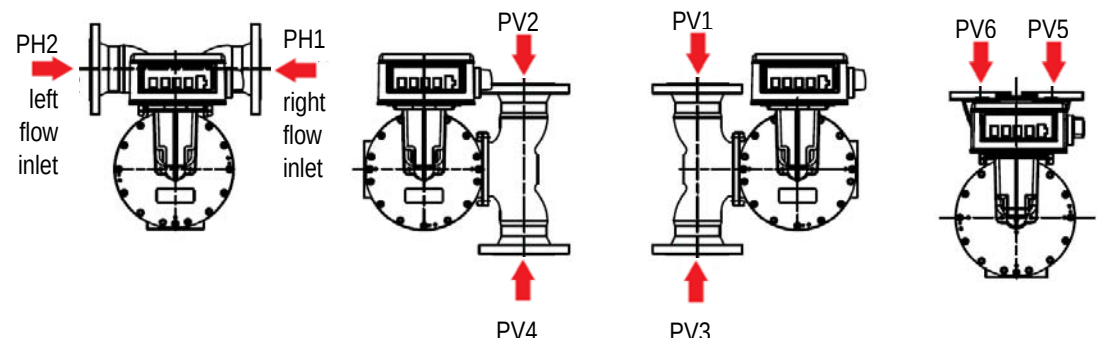
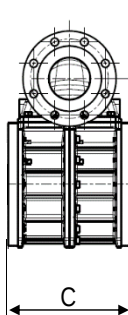
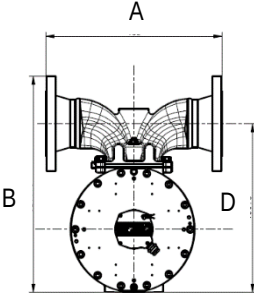
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Equipment	Positive Displacement meter												
Model	ZC17-150												
Working principle 													
Flow direction and mounting 													
Dimensions and weight Dimensions and weight are mentioned without electronic register.  													
<table border="1"> <thead> <tr> <th>Dimensions (mm)</th><th>ZC17-150</th></tr> </thead> <tbody> <tr> <td>A (with 4" flanges ASA150RF)</td><td>432</td></tr> <tr> <td>B</td><td>521</td></tr> <tr> <td>C</td><td>302</td></tr> <tr> <td>D</td><td>407</td></tr> <tr> <td>Weight (kg)</td><td>87</td></tr> </tbody> </table>	Dimensions (mm)	ZC17-150	A (with 4" flanges ASA150RF)	432	B	521	C	302	D	407	Weight (kg)	87	
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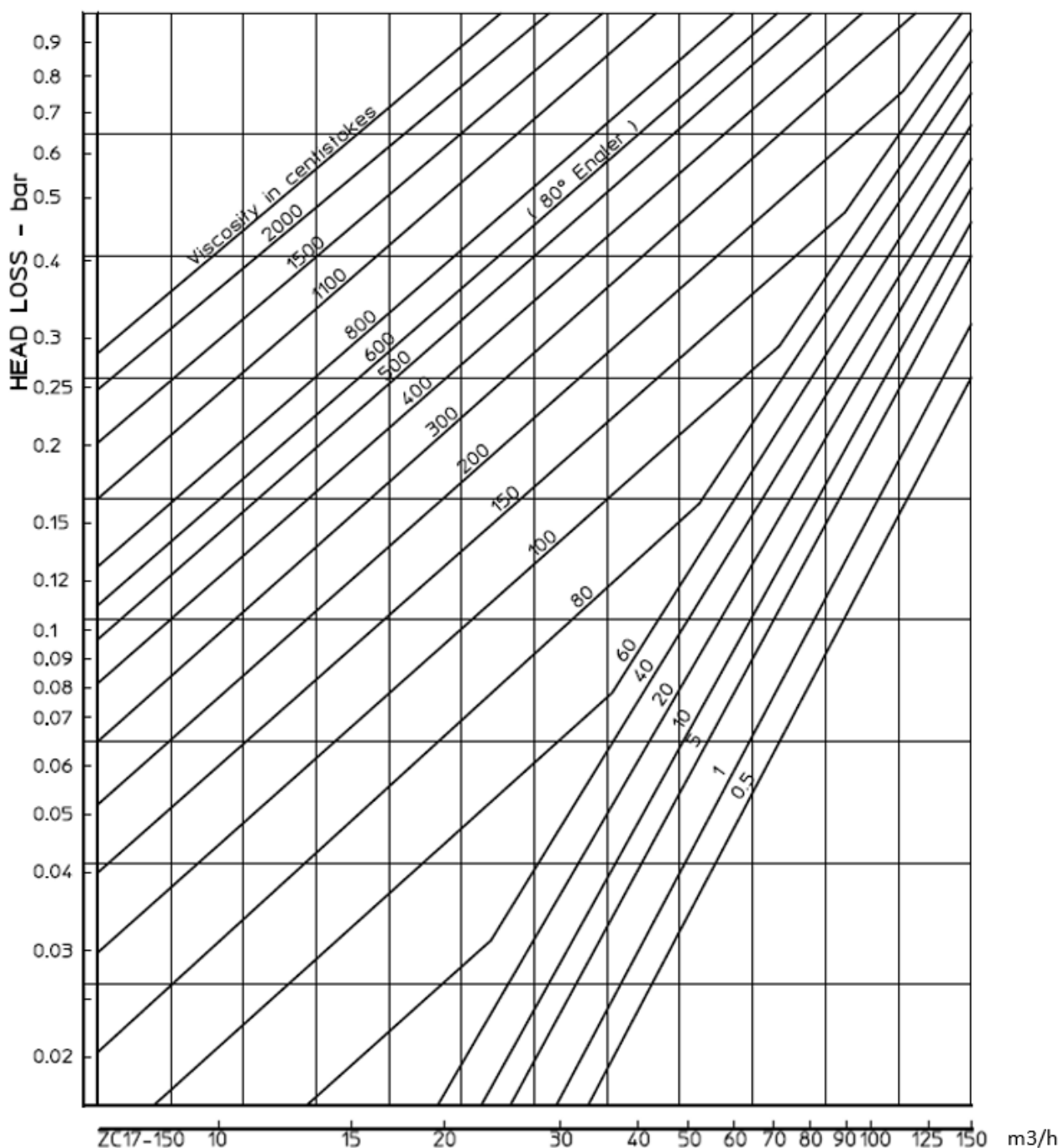
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Pressure drop chart



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